



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010420  
CERTIFICATION DATE: October 30, 2013  
DATE RECERTIFICATION DUE: April 28, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

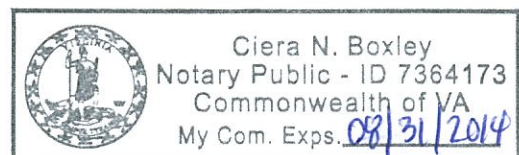
Melissa Kennedy  
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of  
November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



DBH  
MSL

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 11/1/2013**

**Instrument Serial Number: 010420** **As of 01-Nov-13**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
30-Oct-13	30-Oct-13	DBH (21250)	CERTIFIED.
24-Sep-13	24-Sep-13	HMS (18910)	CERTIFIED, REPLACED PRINTER RIBBON.
16-Sep-13	16-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
19-Oct-12	19-Oct-12	DBH (21250)	CERTIFIED.
16-Oct-12	16-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
20-Dec-10	20-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
23-Aug-10	07-Jul-10	RJP (22428)	REPLACED DRY GAS STANDARD.
07-Jul-10	07-Jul-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
20-Jan-10	20-Jan-10	RJP (22428)	CERTIFIED
26-Oct-09	26-Oct-09	HMS (18910)	REPLACED TANK TOP LID, CERTIFIED.
10-Apr-09	10-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
21-Nov-08	21-Nov-08	RJP (22428)	CERTIFIED.
11-Nov-08	11-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
WHL

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010420 Worksheet Start Date 10/30/2013  
Location Galax PD  
Address 353 N Main St Galax VA 24333  
DFS Technician Donald Hall License No. 21250  
☐ Laboratory ☒ On-Site

## Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.  
E-Seek  
Keyboard  
Printer  
UPS

New serial no.

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



Maintenance (if any)

Comments (if any)

Instrument Serial Number 010420

Certification Date 10/30/2013

Instrument Barometer (mm HG) 703

Reference Barometer (mm HG) 706

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.230
0.250	0.231	0.224	0.237	<b>Sample 2</b>	0.229
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.228
0.002		0.228	0.230		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.137
0.150	0.139	0.134	0.143	<b>Sample 2</b>	0.137
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.137
0		0.137	0.137		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.073
0.080	0.074	0.071	0.077	<b>Sample 2</b>	0.074
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.073
0.001		0.073	0.074		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.017
0.020	0.019	0.016	0.022	<b>Sample 2</b>	0.017
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.017
0		0.017	0.017		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-12

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.091
0.100	0.093	0.090	0.096	<b>Sample 2</b>	0.091
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.091
0		0.091	0.091		

DFS Technician

*Donald B Hall*

Date

11/1/13

Issuing Analyst

*Melissa Kennedy*

Date

11/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

*TLW*

DFS Document 250-F113

Revision 6

Page 2 of 2

DBH

WDL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1135  
Test Date: 10/30/2013      Test Time: 16:11 EDT

Technician Initials: DBH

Dry Gas Target: 0.231

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 169 psi      Barometric Pressure: 703 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:11
BLK	0.000	16:12
CHK	0.230	16:13
BLK	0.000	16:14
CHK	0.229	16:15
BLK	0.000	16:16
CHK	0.228	16:17
BLK	0.000	16:18

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-11: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1136

Test Date: 10/30/2013      Test Time: 16:21 EDT

Technician Initials: DBH

Dry Gas Target: 0.139

Lot Number: 2951215012-03      Exp Date: 11/01/2014

Tank Pressure: 732 psi      Barometric Pressure: 703 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:22
BLK	0.000	16:22
CHK	0.137	16:23
BLK	0.000	16:24
CHK	0.137	16:25
BLK	0.000	16:26
CHK	0.137	16:27
BLK	0.000	16:28

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/1R-11: Certification**

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1137

Test Date: 10/30/2013      Test Time: 16:31 EDT

Technician Initials: DBH

Dry Gas Target: 0.074

Lot Number: 0651208012-03      Exp Date: 04/01/2014

Tank Pressure: 134 psi      Barometric Pressure: 703 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:32
BLK	0.000	16:33
CHK	0.073	16:33
BLK	0.000	16:35
CHK	0.074	16:35
BLK	0.000	16:37
CHK	0.073	16:37
BLK	0.000	16:39

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/1R-11: Certification**

DBH

*Department of Forensic Science*

WHL

Serial Number: 010420      Test Number: 1138  
Test Date: 10/30/2013      Test Time: 16:41 EDT

Technician Initials: DBH

Dry Gas Target: 0.019

Lot Number: 0771302011-02      Exp Date: 05/01/2015

Tank Pressure: 1036 psi      Barometric Pressure: 703 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:42
BLK	0.000	16:43
CHK	0.017	16:44
BLK	0.000	16:45
CHK	0.017	16:45
BLK	0.000	16:47
CHK	0.017	16:47
BLK	0.000	16:49

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH

**Intox EC/IR-11: Accuracy Check**

AWL

*Department of Forensic Science*

Serial Number: 010420      Test Number: 1139

Test Date: 10/30/2013      Test Time: 16:53 EDT

Dry Gas Target: 0.278

Lot Number: AG322702-04      Exp Date: 08/15/2015

Tank Pressure: 144 psi      Barometric Pressure: 703 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:53
CHK	0.278	16:54
BLK	0.000	16:56
CHK	0.277	16:57
BLK	0.000	16:58
CHK	0.277	16:59

Test Status: *Success*

Calibration CRC: DA50A6BD

DBH

Intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010420 Test Number: 1140

Test Date: 10/30/2013 Test Time: 17:02 EDT

Dry Gas Target: 0.093

Lot Number: AG211702-12 Exp Date: 04/26/2014

Tank Pressure: 350 psi Barometric Pressure: 703 mmHg

System Check: Passed

WHL

Test	g/210L	Time
BLK	0.000	17:03
CHK	0.091	17:03
BLK	0.000	17:05
CHK	0.091	17:06
BLK	0.000	17:07
CHK	0.091	17:08

Test Status: Success

Calibration CRC: DA50A6BD




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

DBH  
msm

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/30/2013</b>
TEST EQUIPMENT NUMBER <b>010420</b>		

17:16 EDT

RESULTS: TIME SAMPLE TAKEN \_\_\_\_\_  
0.00

SAMPLE'S ALCOHOL CONTENT \_\_\_\_\_ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 01 Nov 2013 at 10:00

DBH

WSM

## Test Results

Instrument Serial Number 010420

Test # 001141 Subject Test

Test Location 1 Department of  
Test Date 30 Oct 2013

Test Location 2 Forensic Science  
Test Time 17:10  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Oct 2013 End Time 17:17

Result Time 17:16

Result Date 30 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 17:10

Data Type BLK

Sample Value 0.000

Sample Time 17:11

Data Type CHK

Sample Value 0.092

Sample Time 17:12

Data Type BLK

Sample Value 0.000

Sample Time 17:13

Data Type SUBJ

Sample Value 0.000

Sample Time 17:14

Data Type BLK

Sample Value 0.000

Sample Time 17:15

Data Type SUBJ

Sample Value 0.000

Sample Time 17:16

Data Type BLK

Sample Value 0.000

Sample Time 17:17

Standard Type Dry Gas Std

Standard Value 0.093

Standard Lot Number AG211702-12

Standard Expiration Date 04/26/2014

Tank Pressure 340

Barometric Pressure 703 mmHg

Blow Sample Number 1 Blow Duration 3.23 sec

Blow Volume 1820 cc End-of-Blow Time 17:14

Blow Sample Number 2 Blow Duration 3.77 sec

Blow Volume 1962 cc End-of-Blow Time 17:16

Tamper Evident Stamp b151db22

Test Status Code 0

Test Status Success